



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/027,623	12/19/2001	Bollapragada Manohar	2001P16145US	2953

7590 09/09/2005

Siemens Corporation
Attn: Elsa Keller, Legal Administrator
Intellectual Property Department
186 Wood Avenue South
Iselin, NJ 08830

EXAMINER

GREY, CHRISTOPHER P

ART UNIT PAPER NUMBER

2667

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/027,623

Applicant(s)

MANOHAR, BOLLAPRAGADA

Examiner

Christopher P. Grey

Art Unit

2667

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bontempi et al. (US 20020150092), hereinafter referred to as Bontempi in view of Koo (EP 1137238).

Claim 1, 5, 9, 13 Bontempi discloses a serving GPRS support node dedicated to detect and register new GPRS mobile stations within its service area.

Bontempi discloses a gateway GPRS support node dedicated to interact with external networks and tunnel data (page 2 paragraph 0024).

Bontempi does not specifically disclose the port assignment module being adapted to sequentially assign a plurality of IP addresses to same TCP ports and the mapping module being adapted to maintain a mapping between a particular port, an IP address, and a mobile station during a connection between the mobile station and the packet network.

Koo discloses a network operator for assigning a plurality of IP addresses to same TCP ports (page 7 paragraph 0058 and see table 2). Table 2 shows IP addresses for terminal 1 and 10 assigned to the same port number 6.

Koo discloses a gatekeeper and memory for maintaining a mapping between a particular port, an IP address and a terminal during a connection between the mobile station and the packet network (page 7 paragraph 0058 and see table 2).

It would have been obvious to one of the ordinary skill in the art at the time of the invention to combine within the SGSN as disclosed by Bontempi, a gatekeeper and memory for mapping IP addresses to their assigned ports as disclosed by Koo. Furthermore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to combine within the GGAN as disclosed by Bontempi, the network operator for assigning IP addresses to a particular port as disclosed by Koo. The motivation for this combination is to assign particular ports dedicated to process HTTP, E-mail and FTP (paragraph 0058).

Claim 2, 3, 6, 7, 10, 11, 14, 15 Bontempi discloses a PDP activation request activation procedure, where PDP contexts (such as PDP type, IP address etc.) are created and stored in the SGSN and GGSN (paragraph 0024).

Claim 4, 12, 8, 16 Bontempi discloses a PDP activation request activation procedure, where in response a PDP context (such as PDP type, IP address etc.) is created and stored in the mobile station (paragraph 0024).

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(a) Barany et al. (US 20020034166) discloses a telecommunications system issuing a PDP context request, receiving a response and setting up a connection.

(b) Jeong et al. (US 20020024946) discloses assigning port values to respective network nodes and storing these assigned port values

Art Unit: 2667

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher P. Grey whose telephone number is (571)272-3160. The examiner can normally be reached on 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571)272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher Grey

Examiner

Art Unit 2667

C. Grey
9/5/05


CHI PHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2667 9/6/05